

TRANSMITTAL OF FORMAL DRAWINGS

Docket No.
RD28697-1

In Re Application of: **CHENHE GONG ET AL.**

JAN 27 2003

JAN 29 2003

TC 2600 MAIL ROOM

Serial No.
10/065,742

Filing Date
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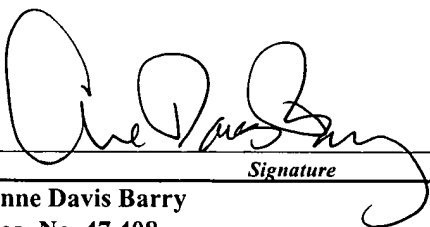
Invention: **METHOD, SYSTEM, AND COMPUTER PRODUCT FOR PERFORMING GEOMETRIC DIMENSION AND TOLERANCE STACK-UP ANALYSIS**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Transmitted herewith are:

6 sheets of formal drawing(s) for this application.

☒ Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c).


Signature

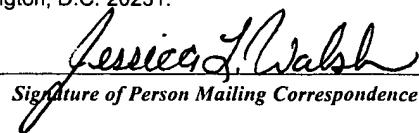
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Dated: 1/20/2003

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I certify that this document and attached formal drawings are being deposited on 1/20/2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


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FIG. 1

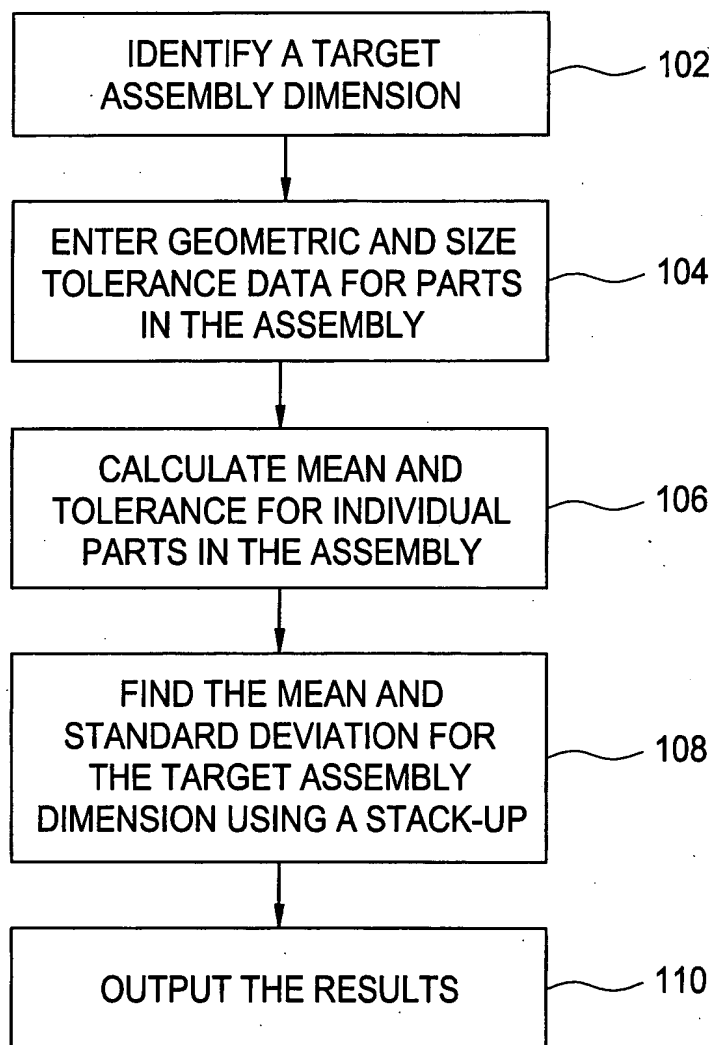




FIG. 2

GEOMETRIC TOLERANCES APPLIED TO FEATURES	GEOMETRIC TOLERANCES APPLIED TO FEATURES OF SIZES
<i>Form tolerances:</i>	<i>Stack-up cross the feature:</i>
Flatness	Straightness (feature of size)
Straightness (feature)	Parallelism (feature of size)
Circularity	Perpendicularity (feature of size)
Cylindricity	Angularity (feature of size)
	Concentricity/symmetry
<i>Orientation tolerances:</i>	<i>Stack-up from the datum:</i>
Perpendicularity (feature)	Positioning
Angularity (feature)	Circular run-out
Parallelism (feature)	Total run-out
<i>Profile Tolerances:</i>	
Line Profile	
Surface Profile	

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FIG.3

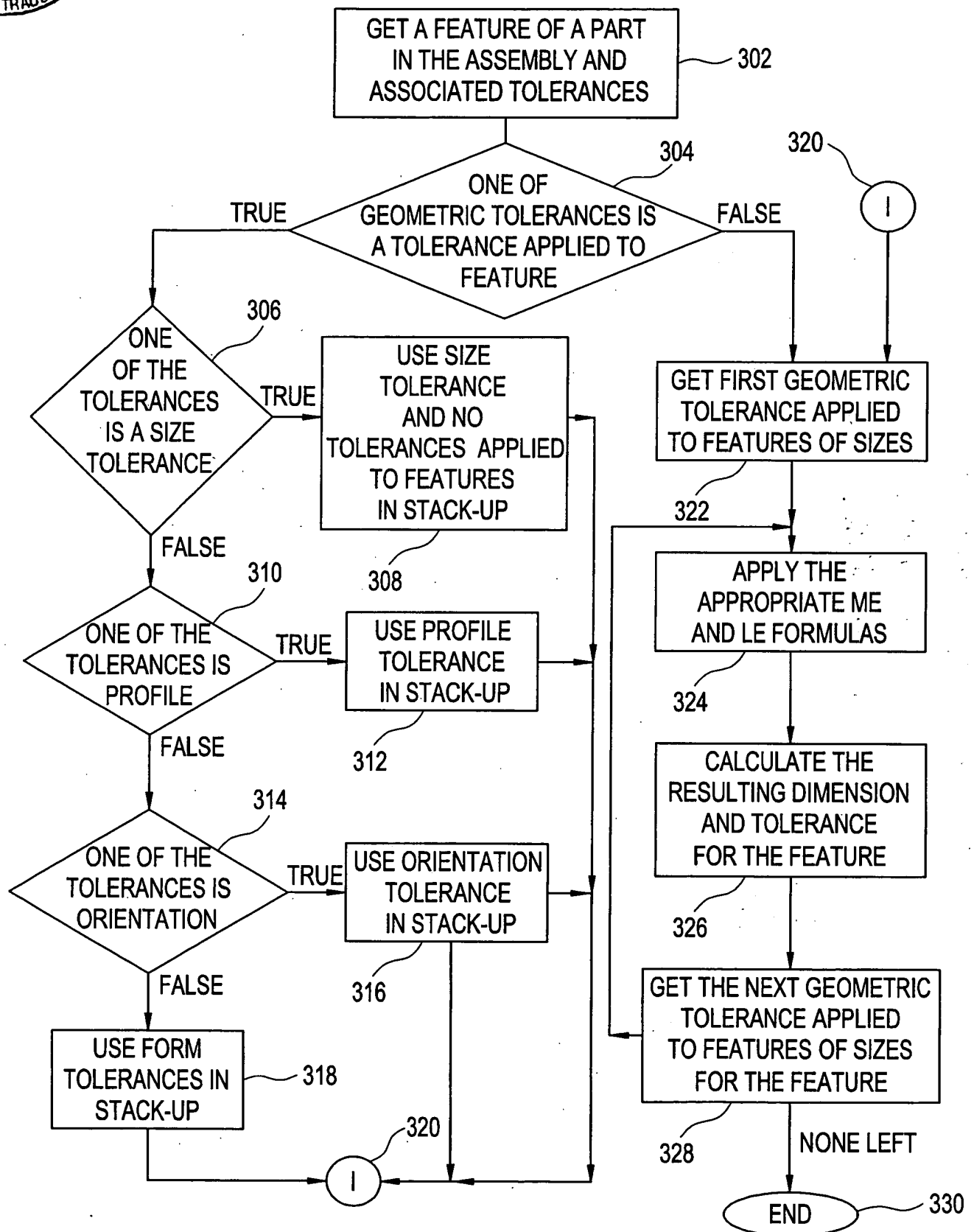


FIG. 4

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	GEOM. TOLERANCES APPLIED TO FEATURES		GEOM. TOLERANCES APPLIED TO FEATURES OF SIZES	
	INTERNAL	EXTERNAL	INTERNAL	EXTERNAL
MMC	ME=MMC-GT LE=LMC	ME=MMC+GT LE=LMC	ME=MMC-GT LE=LMC+TT	ME=MMC+GT LE=LMC-TT
RFS	ME=MMC-GT LE=LMC	ME=MMC+GT LE=LMC	ME=MMC-GT LE=LMC+GT	ME=MMC+GT LE=LMC-GT
LMC	ME=MMC-TT LE=LMC	ME=MMC+TT LE=LMC	ME=MMC-TT LE=LMC+GT	ME=MMC+TT LE=LMC-GT

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408

410





FIG. 5

LOGISTICAL INFO		TARGET DIMENSION NAME NOMINAL TOL(-) TOL(+)					
506		502		504			
PART INFO		VECTOR LOOP		DIMENSION & TOLERANCE		GDT INFO	
510		512		514		516	
518		520		522		524	
RESULTANT MEAN & TOL		PROCESS INFO		OUTPUT			
MEAN +TOL -TOL		SIGMA MEAN Std. Dev.		% CONTRIBUTION			
PART 1							
FEATURE A							
TOL X							
TOL Y							
FEATURE B							
PART N							

RESULT SUMMARY



FIG. 6

